

# Dialog DataStar

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### INSPEC - 1969 to date (INZZ)

#### Accession number & update

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#### Title

Application of on-the-fly **kinematic GPS** to **seismic** surveying.

#### Author(s)

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#### Source

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CPP Conference Paper.

#### Treatment codes

P Practical; X Experimental.

#### Abstract

The application of on-the-fly **kinematic GPS** (OTF-KGPS) to establishing a large scale **seismic** survey control is pioneered. The **seismic** points are staked out in the field using the real-time DGPS method and their precise coordinates are determined using OTF-KGPS. The paper briefly describes land **seismic** survey requirements. It then outlines the key concepts of the employed method of OTF-KGPS. Field surveys are described and sample results are given. (6 refs).

#### Descriptors

geophysical-techniques; radionavigation; satellite-relay-systems; seismology.

#### Keywords

large scale **seismic** survey control; on the fly **kinematic GPS**; **seismic** surveying; real time DGPS method; coordinates; land **seismic** survey requirements; OTF KGPS.

#### Classification codes

A9385 (Instrumentation and techniques for geophysical,

hydrospheric and lower atmosphere research).  
A9130R (Explosion seismology).  
B7710 (Geophysical techniques and equipment).  
B6250G (Satellite relay systems).  
B6330 (Radionavigation and direction finding).

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